

MOVEMENT SUMMARY

Site: AM peak 7.30 am to 8.30 am
with development

Pacific Hwy / Masonite Road roundabout
AM peak (7.30 am to 8.30 am) with development
Roundabout

Movement Performance - Vehicles											
Mov ID	Turn	Demand Flow veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Back of Queue Distance m	Prop. Queued	Effective Stop Rate per veh	Average Speed km/h
South: Masonite Road											
1	L	118	7.5	0.180	9.6	LOS A	1.3	10.0	0.85	0.76	39.4
2	T	96	7.5	0.180	11.2	LOS A	1.3	10.0	0.83	0.85	40.1
3	R	11	7.5	0.180	20.4	LOS B	1.1	8.4	0.82	1.00	36.0
Approach		225	7.5	0.180	10.8	LOS B	1.3	10.0	0.84	0.81	39.5
East: Pacific Highway NE											
4	L	98	7.5	0.628	10.5	LOS A	6.6	49.0	0.85	0.92	52.9
5	T	999	7.5	0.628	11.2	LOS A	6.6	49.0	0.85	0.94	52.2
6	R	12	7.5	0.632	21.1	LOS B	5.9	44.0	0.85	1.10	47.3
Approach		1109	7.5	0.628	11.2	LOS B	6.6	49.0	0.85	0.94	52.2
North: Adelaide Street											
7	L	12	7.5	0.353	6.9	LOS A	2.5	18.9	0.55	0.54	41.6
8	T	123	7.5	0.358	6.7	LOS A	2.5	18.9	0.55	0.50	42.0
9	R	708	7.5	0.357	15.7	LOS B	2.5	18.9	0.57	0.79	37.8
Approach		843	7.5	0.357	14.3	LOS B	2.5	18.9	0.56	0.74	38.3
West: Pacific Highway SW											
10	L	170	7.5	0.213	5.8	LOS A	1.7	12.6	0.32	0.45	57.3
11	T	297	7.5	0.213	5.6	LOS A	1.7	12.6	0.32	0.41	57.1
12	R	146	7.5	0.213	14.4	LOS A	1.6	12.1	0.33	0.73	50.9
Approach		613	7.5	0.213	7.8	LOS A	1.7	12.6	0.32	0.50	55.4
All Vehicles		2790	7.5	0.632	11.4	LOS A	6.6	49.0	0.65	0.77	48.8

Level of Service (Aver. Int. Delay): LOS A. Based on average delay for all vehicle movements. LOS Method: Delay (RTA NSW).

Level of Service (Worst Movement): LOS B. LOS Method for individual vehicle movements: Delay (RTA NSW).

Approach LOS values are based on the worst delay for any vehicle movement.

Roundabout Capacity Model: SIDRA Standard.

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SIDRA INTERSECTION 4.0.18.1102

Project: C:\Work Docs\Sandvik Heatherbrae\Sandvik 120510\Pacific Hwy.SIP

8000734, INSITE ENGINEERING SERVICES P/L, SINGLE

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